

**INTERNATIONAL SEARCH REPORT**

International Application No

PCT/EP2005/050333

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N27/49 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GUNASINGHAM HARI ET AL: "Pulsed amperometric detection of glucose using a mediated enzyme electrode" J ELECTROANAL CHEM INTERFACIAL ELECTROCHEM; JOURNAL OF ELECTROANALYTICAL CHEMISTRY AND INTERFACIAL ELECTROCHEMISTRY JUL 25 1990, vol. 287, no. 2, 25 July 1990 (1990-07-25), pages 349-362, XPO02328306 page 350, paragraph 3 - page 351, paragraph 4; figure 1 -----	1-10
X	US 6 391 558 B1 (HENKENS ROBERT W ET AL) 21 May 2002 (2002-05-21) column 37, line 58 - column 39, line 19; figure 7 ----- -/-	1,2,7-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

17 May 2005

Date of mailing of the International search report

01 08. 2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/21827 A (ROCHE DIAGNOSTICS CORPORATION; ROCHE DIAGNOSTICS GMBH; BUCK, HARVEY, B) 29 March 2001 (2001-03-29) page 13, line 24 - page 14, line 7; figure 6 -----	1-7,10
A	DE 43 35 241 A1 (EKF INDUSTRIE ELEKTRONIK GMBH, 39114 MAGDEBURG, DE) 20 April 1995 (1995-04-20) cited in the application claim 1; figure 1 -----	1-10
A	EP 0 396 788 A (DRAEGER NEDERLAND B.V) 14 November 1990 (1990-11-14) abstract; figure 1 -----	1-10

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**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

**see supplemental sheet**

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-10

**Remark on Protest**  

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

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The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely:

**1. Claims: 1-10**

Method for the pulsed amperometric measurement of the mediator concentration.

**2. Claims: 11-20**

Device for applying variable potentials to a transducer array.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6391558	B1	21-05-2002	US	2004072158 A1		15-04-2004
WO 0121827	A	29-03-2001	AU	7590300 A		24-04-2001
			CA	2385842 A1		29-03-2001
			EP	1218532 A1		03-07-2002
			JP	3655587 B2		02-06-2005
			JP	2003510570 T		18-03-2003
			WO	0121827 A1		29-03-2001
DE 4335241	A1	20-04-1995	NONE			
EP 0396788	A	14-11-1990	EP	0396788 A1		14-11-1990